SINGULAR PROPERTIES OF THE FIGURE NINE.—Multiply 9 by itself, or by any other of the digits, and the figures of the product, added together will amount to 9. The component figures of the amount of the multipliers (viz. 45) when added together, make 9. The amount of the several products, or multiples of 9 (viz 405), when divided by 9, gives a quotient of 45; and the component figures of either the dividend or quotient, added together, make 9. Multiply any row of figures either by 9 or by any other of the products of 9 multiplied by one of the digits, as by 18, 27, 36, 45, 54, 63, 72, or 81, and the sum of the figures of the product, added together, will be divisible by 9. Multiply the nine digits in the following order—1, 2, 3, 3, 4, 5, 6, 7, 8, 9—by 9, or by any one of the products of 9 mentioned in the last paragraph, and the product will come out all in one figure, except the place of tens, which will be an 0, and that figure will be the one which, multiplied into 9, supplies the multiplier: that is, if you select 9 as the multiplier, the product will be (except the place of tens) all ones; if you select 18, all twos; if 27, all threes; and so on. Omit the 8 in the multiplicand, and the 0 will also vanish from the product, leaving it all ones, twos, three, &c., as the case may be.—*American Paper.*

A SHIPBUILDING YARD ROOFED WITH GLASS.—The *Sunderland News* says, "the Messrs. Smith, of St. Peter's Quay, on the Tyne, have contracted with Messrs. Hartley and Co., of the West Glass Works, Bishopwearmouth, for the entire enclosure, with glass, of their extensive shipbuilding yard of St. Peter's, where vessels of the highest class of character, and of the largest register tonnage, are constructed. The glass for the roof is to be the Messrs. Hartley and Co.'s patent rough plate, of which a very large quantity will be required. Messrs. Hartley and Co. have engaged Mr. Isaac Cooke, of Sunderland, for the glazing. Vessels built under cover class a year higher at Lloyd's."

A PUMP A BUILDING.—At the Colchester Registration Court a voter was objected to lately on the ground of not having a house of adequate value. His wife appeared and maintained that although the value of "her" house was only 5*l.*, she paid 20*l.* of annual rent for a pump! Moreover, that the pump was a building within the terms of the Act. The judge said that a pump was certainly a very queer thing to vote upon, but it might do for aught he saw at present, and on the voter's "counsel" further explaining that it was a copper pump, cased in wood,—or rather, two pumps, with a large cistern covered in,—his Honour appeared to think not only that "the grey mare was the better horse," but the "better lawyer" too, and that the pump would do; but he promised to pay it a visit.

BURN YOUR OWN SMOKE.—We understand that a notice has been served on the occupiers of London, by order of the Commissioners of Sewers, to the effect that, in accordance with clause 46 of the Sewers Act (1851), "every furnace employed, or to be employed, in the working of engines by steam, &c. within the City," shall, after the 1st of January, 1852, be altered or so made as to consume or burn its own smoke, under a penalty of not more than 5*l.* nor less than 2*l.* per day in default.

ASTON HALL, BIRMINGHAM.—The editors of the local papers and their correspondents appear to be anxious to preserve this noted building, while its grounds are being cut up into building sites. One suggests its conversion into a collegiate institution, another into a gallery of arts. It is also pointed out that it might do for a palace for the proposed Bishop of Birmingham.

DOINGS IN LAMBETH.—The question of a new Vestry Hall in this parish has been warmly discussed of late, and at a poll of the parishioners on Tuesday, Wednesday, and Thursday, in last week, it was decided by a majority of fourteen that the hall should be erected,—1,057 voting for, and 1,043 against the proposal. On the question of baths and washhouses, a poll was also taken, and decided against their erection by a majority of 622,—810 voting for, and 1,232 against the proposal.

METROPOLITAN COMMISSION OF SEWERS.—A special court was held on Friday, in week before last, at the Sessions House, Newington-causeway, as to complaints relating to the district. The chairman announced that measures were in progress, in consequence of the present state of the commission, and their inability to carry out works of main drainage, for the purpose of making a considerable reduction in the expenses of the establishment. A report was presented, to the effect that the workmen of the Chartered Gas Company had destroyed 70 feet of the crown of a sewer in Goswell-street, but that the company was willing to reconstruct it. The chairman announced Mr. George Pownall as an arbitrator in the claims of inhabitants of Scotland-yard, for injuries in formation of Victoria-street sewer. Some other business was transacted, and complaints and appeals heard.——Another special meeting at Newington Causeway, was held on Friday last. The Court had some time since agreed to erect an urinal at the end of the Borough-road, Southwark, as requested by the trustees for paving and lighting the southern district of St. George the Martyr, on condition that the trustees would pay the expense of lighting and watching. This the latter now refused to do, and accordingly the Court declined to erect the urinal. The engineer reported on the Essex-street sewer nuisance, that an iron pipe 300 feet in length and 3 feet in diameter, should be run out to low water mark, and a flap hung on the present outlet for storm water discharge. The cost would be 300*l.* The work was ordered to be executed at the expense of the general district rate. Some other works were then ordered, and summonses issued against defaulters.

LOVE OF LIGHT IN DENMARK.—I was exceedingly struck, as I walked through the streets, by the prodigious number of windows every house contained: the lower part in some instances actually seemed all glass. Even the "stud and mud" cottages in the outskirts had their rows of windows in some instances not 18 inches apart. Nothing in the appearance of this and the other towns I visited on my journey towards the capital struck me so much as this peculiar and pleasant feature, for surely the light of heaven is a priceless boon and a blessing, and I would rather anything in my own land were taxed than light. Many a little cot in Denmark has more glaziers' work about it than a substantial three or four stories in Great Britain.—*Horton's Voyage from Leith to Lapland.*

STRIKE.—Some of the artisans engaged in the railway spring trade have struck work in consequence of a reduction in the old and high rates of wages fixed in the heyday of railway extension.

BATHS AND WASHHOUSES AT BRIGHTON.—A public meeting was held on Monday, in last week, and a committee appointed to promote the establishment of public baths and washhouses at Brighton. The High Constable was in the chair, and Sir G. B. Pechell and other influential gentlemen were present.

THE IRON TRADE.—Preliminary consultations have been held by the masters as to the nominal prices to be fixed at the quarterly meetings. It was resolved that no rise, even nominal, should be attempted. On the contrary, there would certainly be a reduction declared if wages could be lowered, but no one is willing to be the first to make the attempt.

TO CORRESPONDENTS.

"G. W." "L. S." "H. G." "C. R." "M." "T. C." "J. F." "H. F. B." "Fair Play" (suggests that advertisers of cements, &c., should give their prices), "J. C." (exact amount awarded should be given), "H. D." "H. R." "C. P." "R. L. G." (shall hear from us) "M. S." "Zeta" (thanks for the information, which shall be inquired into. As to the pamphlet, an opinion upon it has already been expressed in our journal, and the opinion of the magazine referred to does not concern us), "T. L." "R. G. S." "J. A." "R. L. S." "J. G. B." "A. B." "A Constant Reader." "C." "C. M." "C. N."

NOTICE.—All communications respecting advertisements should be addressed to the "Publisher," and not to the "Editor:" all other communications should be addressed to the EDITOR, and *not* to the Publisher.

"*Books and Addresses.*"—We have not time to point out books or find addresses.

ADVERTISEMENTS.

BENNETT'S THERMOMETERS, 65, Cheapside.—Shillings, banks, churches, gardens, and chimnies SUPPLIED with every kind of THERMOMETER at this manufactory, where 1,000 may be had for 50*l.*, or may be selected from, at the cash, in friends borrowed frames; larger sizes to suit every place purpose, and elegant Barometers of equally moderate prices.—BENNETT, Watch, Clock, and Instrument Maker to the Royal Observatory, the Board of Ordnance, the Admiralty, and the Queen.—65, Cheapside.

AN ARCHITECT and SURVEYOR in the country is in want of an ASSISTANT: one who is well accustomed with Gothic and finishing detail would be preferred.—Address, stating terms, to L. E., Post-office, Worcester.

TO BRICKMAKERS.

WANTED, by a Builder, to completely finish the interior of some Cottages of Houses, for which Bricks will be taken in payment.—Address post-paid, to A. B., Office of "The Builder," 1, York-street, Covent-garden.

WANTED, an experienced active MAN as OUT-DOOR FOREMAN of CARPENTERS to a large work in London.—Address, by letter, post-paid, to A. B., Masons' Hall, Basinghall-street.

TO SHOP FOREMEN OF CARPENTERS AND JOINERS.

WANTED, a Person who is fully competent to undertake the above situation.—Address stating particulars, references, and where last employed to the above-mentioned, to G. B., Office of "The Builder," York-street, Covent-garden.

TO YARD FOREMEN, &c.

WANTED, immediately, a steady active Man as CONVERTER, and accustomed to the sawing out of materials and general superintendence of a builder's yard.—Apply by letter, pre-paid, stating age, where last employed, and salary expected, to DELTA, Post-office, Wolverhampton.

WANTED, by an ARCHITECT, within six miles of London, an OFFICE LAD, who can write a good hand and trace and copy drawings: he would have to take charge of a horse and chaise and make himself generally useful.—Apply by letter to Y. Z., at the Office of "The Builder," 1, York-street, Covent-garden.

TO IRONMONGERS.

WANTED, by a Young Man, well acquainted with the wholesale and general trade, a SITUATION as ASSISTANT. Would have no objection to the desk, and to make himself generally useful.—Apply by letter to T. P., 23, Gabriel's-hill, Maidstone.

TO ARCHITECTS AND OTHERS.

WANTED, by a Young Man, a SITUATION as above, to get out working and other drawings. He is a good draughtsman, and has a knowledge of perspective, tinting, and surveying. Salary, 40*l.* per annum.—Address to M. A., Johnson's Post-office, Beaufriars-road.

TO BUILDERS AND OTHERS.

WANTED, by a Young Man, who for some years filled the situation of confidential clerk and cashier in a builder's office of some eminence, and who is accustomed to the usual routine of the office, a SITUATION in a Builder's or other Office. The highest references can be given.—Address to B. G. S., at the Office of "The Builder," 1, York-street, Covent-Garden.

TO BUILDERS, PLUMBERS PAINTERS, &c.

WANTED, by a Person, aged thirty, a permanent SITUATION in the above line, as a three-branch hand: where it would be chiefly plumbing required would be preferred. No objection to the country.—Address, E. F. G., 13, Rupert-street, Old-street, St. Luke's.

TO ARCHITECTS AND BUILDERS.

WANTED, by an excellent Gothic (and general) STONE CARVER and MODELLER, with the best references, WORK, either day or piece, in town or country. Wages not an object, if constant employment is insured.—Address, B. Office of "The Builder," York-street, Covent-garden.

WANTED, a Situation as BUILDER'S Clerk, by a person who has a practical knowledge of the business, and has had many years experience in office duties; he can measure up work, take out quantities, and make plain drawings. Good references given. Address B. R., No. 7, Francis-street, Bedford-square.

A STEADY, ACTIVE, USEFUL MAN wishes to ENGAGE with a Contractor or Builder as CLERK OF WORKS, or FOREMAN. Reference as to ability, &c., given by last employer.—Address, H. P., 12, Arthur-street, Old Kent-road.

TO ARCHITECTS AND SURVEYORS.

A YOUNG MAN, having completed his articles to the Profession, is desirous of an ENGAGEMENT, either in town or country.—Address, H. H. B., Office of "The Builder," 1, York-street, Covent-garden.

TO ARCHITECTS.

A YOUNG MAN is desirous of an ENGAGEMENT with an Architect of good Practice. Has been accustomed to prepare Plans, Perspective and Detailed Drawings, to Surveying, taking quantities &c. London would be preferred.—Address A. B., 99, Bridge-street East, Camden road, Mile-end-road.

TO ARCHITECTS &c.

A GOOD and EXPEDITIOUS DRAUGHTSMAN, who is capable of getting up working and finished drawings, and understands the general routine of an office, wishes to meet with an ENGAGEMENT either in London or the Country. Satisfactory references from last employer. Salary moderate.—Address X. Y. Z., 38, De Beauvoir-square, Kingsland.

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THE Advertiser, whose evenings are disengaged, is desirous of occupying them in the preparation of Designs, Fair and Working Drawings, Specifications, or Estimates.—Address R. R., care of Mr. Lee, 158, London-wall.

TO GENTLEMEN, BUILDERS, AND OTHERS.

THE Advertisers are desirous of meeting gentlemen requiring their SERVICES in Preparing Designs and Specifications, Measuring Painters' and other Works, or taking out Quantities, Drawings (fair and working) and Specifications required.—Address Y. Z., No 1, Winchester-buildings, Great Winchester-street, City.

TO SMALL BUILDERS AND JOBBING MASTERS.

THE Advertiser would be found very useful to any party requiring a CONFIDENTIAL MAN to attend to the business, either repairing or building, keeping accounts, &c., or otherwise to work at his own trade. No objection to the country. Satisfactory reference given.—Address, A. H. B., 32, New-street, Vincent-square, Westhall-road.

TO ARCHITECTS, &c.

THE Advertiser, who is well acquainted with Gothic and Italian architecture, the preparation of finished detail, and working drawings, drawing up specifications, and taking out quantities, &c., is desirous of meeting with an ENGAGEMENT for two or three days a week, or as much as required.—Address M. N., 18, Cannon-row, Parliament-street, Westminster.

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